



*****Internet2(R) Members Update***
September 2002**

- ◇ Virtual Briefings
- ◇ Fall 2002 Internet2 Member Meeting
- ◇ Information Sharing Guidelines
- ◇ Internet2 K20 Initiative Update
- ◇ Applications Update
- ◇ International Update
- ◇ Middleware Update
- ◇ End-to-End Performance Initiative Update
- ◇ Future Internet2 Events
- ◇ New Members
- ◇ Internet2 Days
- ◇ Showcase Opportunities
- ◇ Internet2 Related Events
- ◇ Internet2 Employment Opportunities

Member updates are now archived at
<http://www.internet2.edu/members/html/members-update.html>

<> Virtual Briefings

- + September 13 Virtual Briefing - "New Networks, Old Economy"

An Internet2 Virtual Briefing will be held on Friday, September 13, 1:00-2:30 pm EDT (UTC -4). The topic is "New Networks, Old Economy." Presenters will discuss approaches for building advanced networks in a telecommunications environment that some think is reverting to the models of the "Old Economy". The speakers will explore the fundamental changes in the telecom industry since the end of "Internet boom" and consider how the higher education community should respond. Steve Corbató, Director of Backbone Network Infrastructure for Internet2, will moderate the panel. The panelists will include Erv Blythe, Virginia Tech; Stephanie Copeland, Qwest; Christopher Peabody, Georgetown University; and Tom West, CENIC.

<http://www.internet2.edu/activities/html/briefings.html>

<> Fall 2002 Internet2 Member Meeting

- + Register Online Now for the Fall 2002 Internet2 Member Meeting

Registration is available online for the Fall 2002 Internet2 Member Meeting in Los Angeles, CA. Early registrants are eligible for the Early Registration Prize drawing of a Global Positioning System (GPS) Watch. Early registration ends October 3, and online registration ends October 21. Featured sessions will include End-to-End Performance, the International Task Force meeting, and Middleware. The Preliminary Program for the Fall Member Meeting will be available on the Internet2 web site during the week of September 9. For online registration: <http://www.internet2.edu/activities/html/fall02-registration.cfm>

Internet2 has reserved a block of rooms for registrants at the meeting site, the Wilshire Grand Hotel. Information about lodging is available at:

http://www.internet2.edu/activities/html/fall_02_accommodations.html

+ Demos, Tours, and Performance Event: Fall Member Meeting

In conjunction with the Fall 2002 Internet2 Member Meeting, a variety of demos, tours, and events will take place on the USC campus the afternoon of Tuesday, October 29. Meeting attendees will have the opportunity to see several high-performance networking applications at the Davidson Executive

Conference Center. These demonstrations will feature applications developed at Internet2 member universities and by Internet2 corporate members. Meeting attendees will also have the opportunity to tour and see demos at the Robert Zemeckis Center for Digital Arts and at the Integrated Media Systems Center. The afternoon will conclude with Cultivating Communities: Dance in the Digital Age, a music and dance performance event at the Bing Theater. Presented by Internet2, the performance event will rely on production direction from the Manhattan School of Music--with technical assistance from Columbia University and others--and will feature performers from throughout the Internet2 member community.
<http://apps.internet2.edu/html/fall2002-demos.html>
<http://apps.internet2.edu/html/fall2002-perfevent.html>

◁ Information Sharing Guidelines

Periodically members are interested in sharing information about special activities or opportunities with the Internet2 community such as technology symposiums, workshops, donation programs, product offerings and or grant opportunities. In an effort to facilitate information sharing we are adding a Member-to-Member section to this monthly update. Members interested in contributing notices should review the guidelines at <http://www.internet2.edu/members/html/informationsharing.html> and email <evaughan@internet2.edu> with proposed announcements.

◁ Internet2 K20 Initiative Update + CENIC Named SEGP of the Month

Cyberstep's English for All (EFA) project is part of a new multimedia learning system created expressly for adults who want to learn English. The program includes five compelling, real-life stories in twenty, fifteen-minute episodes. Each episode features a multi-ethnic cast and a friendly Wizard, who explains language and skill content throughout each story. The content is based on the California ESL standards and skill areas identified in the Latino Adult Education Services Project and is correlated to CASAS and SCANS competencies. The English For All video is digitized at a high frame rate so that learners can see mouth formation and important body language. For the full article on this project, please visit the Internet2 K20 website: <http://k20.internet2.edu/segp/index.shtml>

◁ Applications Update

Excerpts from the applications newsletter are below, for the complete applications newsletter go to: <http://apps.internet2.edu/html/newsletter.html>

+ Internet2 Commons Site Coordinator Training

Training for Commons site coordinators will be held October 30-31, following the Fall 2002 Member Meeting in Los Angeles, CA. The training will be co-sponsored by Internet2 and CENIC. Please see the following link for information about this training.
http://www.internet2.edu/activities/html/fall_02_commons_training.html

◁ International Update

+ Slovakia (SANET) and Internet2 Sign Memorandum of Understanding

SANET, Slovakia's academic network, and Internet2 have recently signed a Memorandum of Understanding. SANET interconnects academic and research institutions and universities in Slovakia. SANET an independent civil association, not-for-profit organization, also manages Slovakia's link to the pan-European GEANT network at 100 Mbps. SANET is also leading SANET2, a project to build up a gigabit network for the Slovak academic and research community with the connection to a trans-european gigabit network and global Internet.

Internet2 has formed peer-level relationships with organizations outside the U.S. who have projects similar to Internet2 in scope and objectives. SANET joins over 45 international organizations and networks that together with Internet2 are working towards ensuring continued global interoperability of advanced networking and enabling collaboration between U.S. researchers, faculty, students and their overseas counterparts. For more information about SANET: <http://www.sanet.sk/en/index.shtml>

+ International Task Force Events during Fall Member Meeting

International presentations and updates from both Internet2 International Partners and Internet2 members are planned for the Fall Member Meeting taking place 27-30 October in Los Angeles, California. Please see the fall meeting program website for the dates and times of the International Task Force Meeting and International Collaboration Updates. http://www.internet2.edu/activities/html/fall_02_schedule.html

<> **Middleware Update**

+ **Shibboleth**

Shibboleth facilitates inter-institutional sharing of web resources subject to access controls. Alpha code version 2.5 has been released and beta is expected in September. The Shibboleth pilot sites are preparing for deployment and testing of the Shibboleth beta code. Content providers working with institutions in the beta pilot are EBSCO Publishing, Online Computer Library Center, Inc. (OCLC), SFX, and others. The release of production code is scheduled for October. Project updates are maintained at: <http://middleware.internet2.edu/shibboleth/>

+ **Web Initial Sign-On (WebISO)**

WebISO is an essential component for the campus middleware function. Pubcookie, WebISO software, is one of the components included in the NMI deliverables. Other similar software options are being reviewed. Pubcookie 3.0.0 Beta 1 is now available. This is a beta-test release comprising new login server and Apache module components. Interested parties are encouraged to deploy this version in test and pilot environments and to provide feedback to the Pubcookie team. A final 3.0 version is expected to be released sometime in September.

Please see the newly redesigned Pubcookie web site for information about the package and the project, including download, development, and mailing list info: <http://www.washington.edu/pubcookie/>

+ **National Science Foundation Middleware Initiative (NMI)**

The NMI teams are developing the deliverables for Release 2 scheduled for October 25, 2002. "Middleware: The New Frontier", an article written by Alan Blatecky, Ann West, and Mary Spada, was published in the July/August 2002 edition of the EDUCAUSE Review. The article can be viewed at: <http://www.educause.edu/pub/er/erm02/erm024w.asp>

NSF Middleware Initiative Release 1.1 (NMI-R1.1) was issued on August 28, 2002, including a security patch necessitated by vulnerabilities found in OpenSSL. This NMI update includes the latest OpenSSL version (0.9.6g) from <http://www.openssl.org/source/>. See CERT Advisory CA-2002-23 at <http://www.cert.org/advisories/CA-2002-23.html> for details of OpenSSL's vulnerability prior to version 0.9.6g. If you previously installed NMI-R1.0, we strongly suggest that you download and use NMI-R1.1 instead.

The NMI-R1.1 update is at <http://www.nsf-middleware.org/NMIR1/download.htm>. For help, please send mail to: nmi-support@nsf-middleware.org.

Additional NMI information is available from the following sites:

<http://www.nmi-edit.org/>

<http://www.grids-centere.org/>

<http://www.nsf-middleware.org/>

+ **Public Key Infrastructure (PKI)**

Based on the success of the first PKI Research Conference last April, NIST and NIH agreed to co-sponsor with Internet2 a second research conference. The conference is currently planned for Spring 2003.

+ **Digital Rights Management (DRM) Workshop**

A DRM workshop, endorsed by CNI, EDUCAUSE, Internet2, SURA, ViDe, and funded by an NMI Award, will be held in early September. The workshop will explore emerging middleware, particularly directory issues and the role they may play as a foundation for DRM in research and education. See the workshop web site for more information: <http://www.ait.utk.edu/drmworkshop/>

+ **Advanced CAMP Presentations**

The presentations from Advanced CAMP, held in Boulder, Colorado, July 31st to August 2nd, are now available at: <http://www.nmi-edit.org/news/adcamp.html>

+ **Directories**

The Directories working group is reviewing feedback from the NMI testbeds sites on the directory object classes and other NMI R1 deliverables. This input will be incorporated in subsequent versions. Work continues on new deliverables for R2 including LDAP Analyzer Software and a Groups Implementer's Guide. For more information see: <http://middleware.internet2.edu/dir/>

<> **End-to-End Performance Initiative (E2Epi)**

+ **End-to-End Performance Initiative Performance Environment System**

The "E2E piPEline: End-to-End Performance Initiative Performance Environment System Architecture" white paper is now available. This white paper was prepared under the direction of Eric Boyd, E2E Performance Engineer. The paper outlines the plans for a distributed, scalable system to test, monitor, and report end-to-end performance and will be able to indicate performance capabilities and locate performance problems along the path between two computers connected by the Abilene network, participating campuses, regional networks, and gigaPoPs. This "pipeline" will enable advanced Internet applications to operate at peak performance and thus advancing the productivity of academic researchers.
http://e2epi.internet2.edu/e2epipe_index.shtml

<> **Future Events**

+ **IPv6 Workshop**

11-13 September
Columbus, OH
<http://ipv6.internet2.edu/workshops/workshop-ohio.shtml>

+ **Future Internet2 Member Meetings**

- Spring 2003 Internet2 Member Meeting, Arlington, Virginia, April 9-11
- Fall 2003 Internet2 Member Meeting, Indianapolis, Indiana, October 13-16
- Spring 2004 Internet2 Member Meeting, Arlington, Virginia, April 19-22

+ **Joint Techs Workshop**

- February 2-6, 2003 Miami, FL
- January 26-February 1, 2004 Honolulu, HI

<> **New Members**

+ **University Members**

- Loyola University Chicago
- Saint Louis University
- University of Toledo

<> **Internet2 Days**

Hold an Internet2 Day for your Internet2 member organization. Technical support for live demonstrations and informational materials are available. For more information see:
http://apps.internet2.edu/html/internet2_days.html or contact Marianne Smith <melser@internet2.edu>.

+ 15 November 2002

Wichita State University
<http://www.hipecc.twsu.edu/internet2.html>

<> **Showcase Opportunities**

Internet2 would like to showcase our members' efforts on our homepage. We encourage Internet2 members to share advanced networking milestones, as well as interesting people, events, collaborations and efforts in the advanced networking community. Include a brief description (less than 100 words), all appropriate

links and images, and contact information. If you have suggestions about projects or news that might be featured, please contact Adam Csillag <acsillag@internet2.edu>.

<> **Internet2 Related Events**

+ **Online Calendar**

For a complete listing of events for and of interest to the Internet2 community, see the online Internet2 Calendar. Be sure the Internet2-related event you are holding or know about is listed at:
<http://www.internet2.edu/calendar/main.php>

iGrid 2002

24-26 September 2002

Amsterdam, The Netherlands

<http://www.igrd2002.org>

EDUCAUSE 2002

1-4 October

Atlanta, GA

<http://www.educause.edu>

CUDI Fall 2002 Meeting

16-18 October

Ciudad Juárez, Chihuahua, México

<http://www.cudi.edu.mx/otono2002/index.html>

SC2002

16-21 November

Baltimore, MD

<http://www.sc-conference.org/sc2002>

CANARIE Advanced Networking Conference

18-20 November

Montreal, Canada

http://www.canarie.ca/conferences/advnet_2002.html

<> **Internet2 Employment Opportunities**

<http://www.internet2.edu/ucaid/html/opportunities.html>